Portable Dehumidifier with Internal Pump

OPERATING INSTRUCTIONS

70 Pints

Model Number:

CBD-70P1A-H13A,CBD-30H1A-G13A,
CBD-45H1A-G13A,CBD-70H1A-H13A,
CBD-95P1A-J14A, CBD-110P1A-J14A

V.180403

Manufacture:Guangdong Chigo Air Conditioning Co.,Ltd

Dehumidifier must be upright for 24 hours prior to operating.

This ensures that the compressor will function as intended.

PURCHASE INFORMATION

Thank you for choosing a Soleus Air Portable Dehumidifier. This Owner's Manual will provide you with valuable information necessary for the proper care and maintenance of your new product. Please take a few moments to thoroughly read the instructions and familiarize yourself with all the operational aspects of your new Soleus Air Portable Dehumidifier.

For your own records, please attach a copy of your sales receipt to this manual. Also, write the store name/location, date purchased, and serial number below:

Store Name: _____

Location: _____

Date Purchased: _____

Serial Number (located on back of unit): _____

IMPORTANT INSTRUCTIONS

Before installing and using your dehumidifier, please read this owner's manual carefully. Store this manual in a safe place for future reference.

1) Always place the unit on a level surface.
2) Never use or store gasoline or other flammable vapor or liquid near this unit unless instructed by this manual.
3) Maintain a 12-18 inch clearance space around this unit. Do not block or cover air inlet or outlet grilles.
4) The unit must be connected to a correctly grounded power supply.
5) Do not start or stop the unit by inserting or pulling out the power plug.
6) Do not use an adapter plug or extension cord.
7) Do not use the unit in the immediate surroundings of a bath, a shower or a swimming pool.
8) Do not insert anything into the air outlet. Do not obstruct air inlet or outlet grills unless instructed by this manual.
9) Do not let children play near this unit.
10) Always inspect the cord for signs of damage before use. If the power cord is damaged, it must be replaced by the manufacturer or a qualified service technician.
11) When cleaning the unit, always turn the unit off and unplug the power cord.

RECOMMENDED HUMIDITY LEVELS

- **Spring/Summer: 35% - 50%**
- **Fall/Winter: 35% - 40%**

WARM AIR EXHAUST IS NORMAL

During operation your dehumidifier will exhaust warm air from the side of the unit. This is normal operation.

EMPTYING THE BUCKET

The more moisture your dehumidifier removes from the air, the more often you may have to empty the bucket (unless you are using the continuous drainage option). The number of times the bucket will be emptied depends on the dehumidifier model.

Model Number	Pints of moisture removed per every 24 hour period	Maximum number of times to empty the bucket when operating at full capacity during a 24 hour period
CBD-70P1A-H13A	70 Pints	6 Times

LESS MOISTURE BEING REMOVED OVER TIME IS A GOOD THING!

Using a dehumidifier will cause your area to maintain a more comfortable humidity level. Over time, this humidity level will become more and more stable. Due to the stable humidity level in the area, the dehumidifier will need to remove less and less moisture over time.

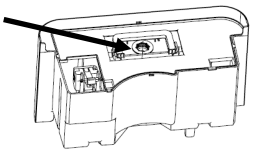
Please do not be concerned if the dehumidifier is removing less moisture from the air or the bucket is taking longer to fill up. This is a direct result of your dehumidifier creating a more stable humidity level in your area.

WATER IN THE BUCKET!

There might be a small amount of water present in the bucket before using the dehumidifier for the first time, which is normal. This is caused by the preliminary testing done by the factory.

PACKAGE CONTENTS

(1) Portable Dehumidifier
(1) Operating Instructions
(1) Pump Drain Hose Kit—Hose, Adapter, and Gasket (Adapter included on top of bucket lid)



SPECIFICATIONS

Model Number	**DSX-70EIPMW-01**
Dehumidifying Capacity	70 Pints per day
Power Consumption (Watts)	690 Watts
Air Flow Volume (High/Med/Low)	205 / 188 / 164 CFM
Power Source	115 V / 60 Hz
Rated Current (Amps)	7.0 A
Sound Pressure Level (High/Med/Low)	53/51/49 dB(A)
Weight	44.09 lbs
Dimensions (W x D x H)	15.25” W x 11.25” D x 24.875” H
Energy Star	Yes
Bucket Capacity	12.68 Pints

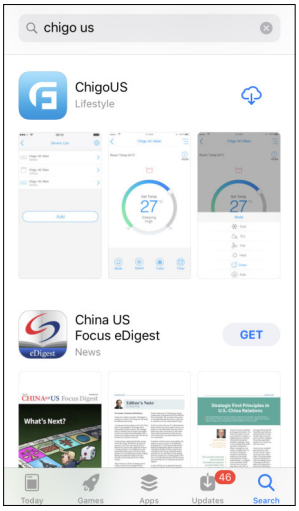
- Noise level is measured at a distance of 3.28 ft away from the front of the unit.
- Power consumption is measured when the fan runs at the highest speed setting.
- These specifications are for reference only. For actual data, please refer to the rating label on the back of the unit.

DISCLAIMER

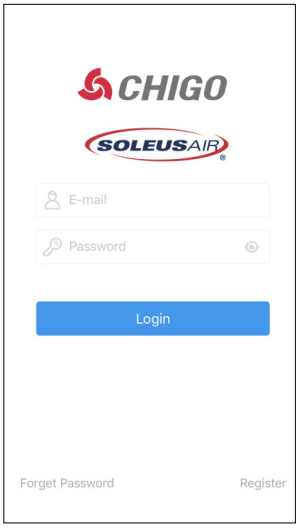
ALL INFORMATION AND THE TECHNICAL SPECIFICATIONS PRESENTED IN THIS USER’S MANUAL ARE THE PRESENTATION OF THE MANUFACTURER. SOLEUS N.A. HAS NOT CONDUCTED INDEPENDENT TEST TO THE INFORMATION AND THE SPECIFICATIONS PRESENTED HEREWITHIN.

WIFI APP SETUP

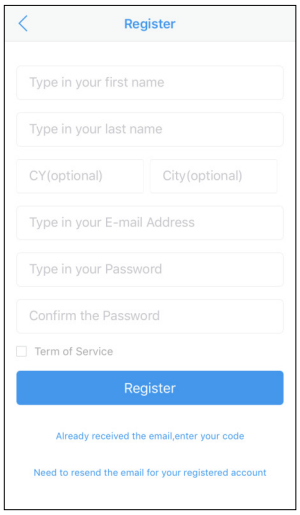
Step 1
Search and download CHIGO US from the App Store or Android Store



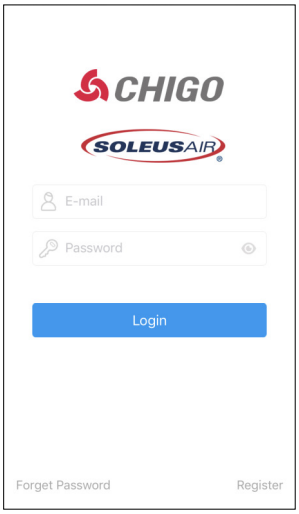
Step 2
Open CHIGO US and register for a new account



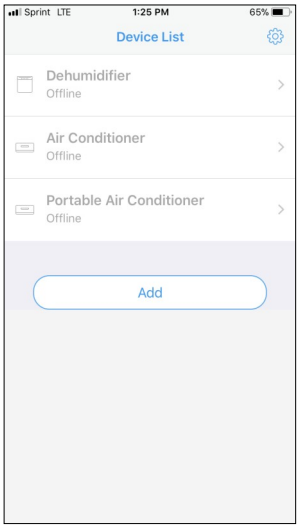
Step 3
Fill out form and click the Register button. (Email will be sent with confirmation instructions)



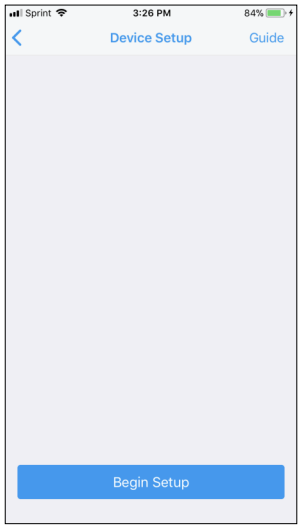
Step 4
Login with username and password



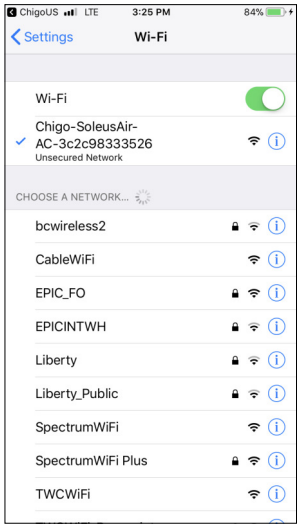
Step 5
Click Add



Step 6
Begin Setup (Automatically routes to WiFi networks)

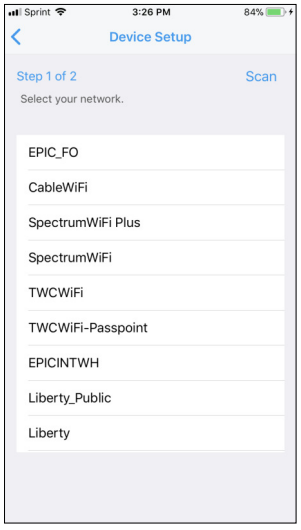


Step 7
Choose Chigo-SoleusAir device from list of available networks

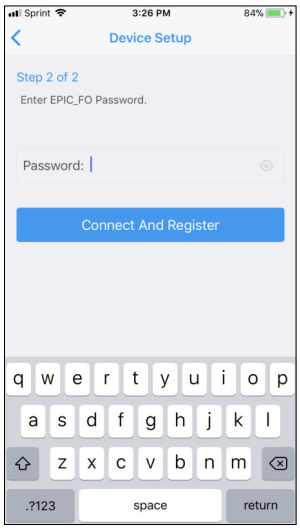


(Automatically routes back to the Chigo US App)

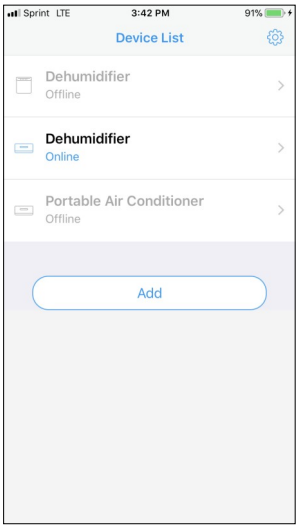
Step 8
Select WiFi Network you would like to use to control device



(Enter WIFI Network Password)



Step 9
Select new device for full control



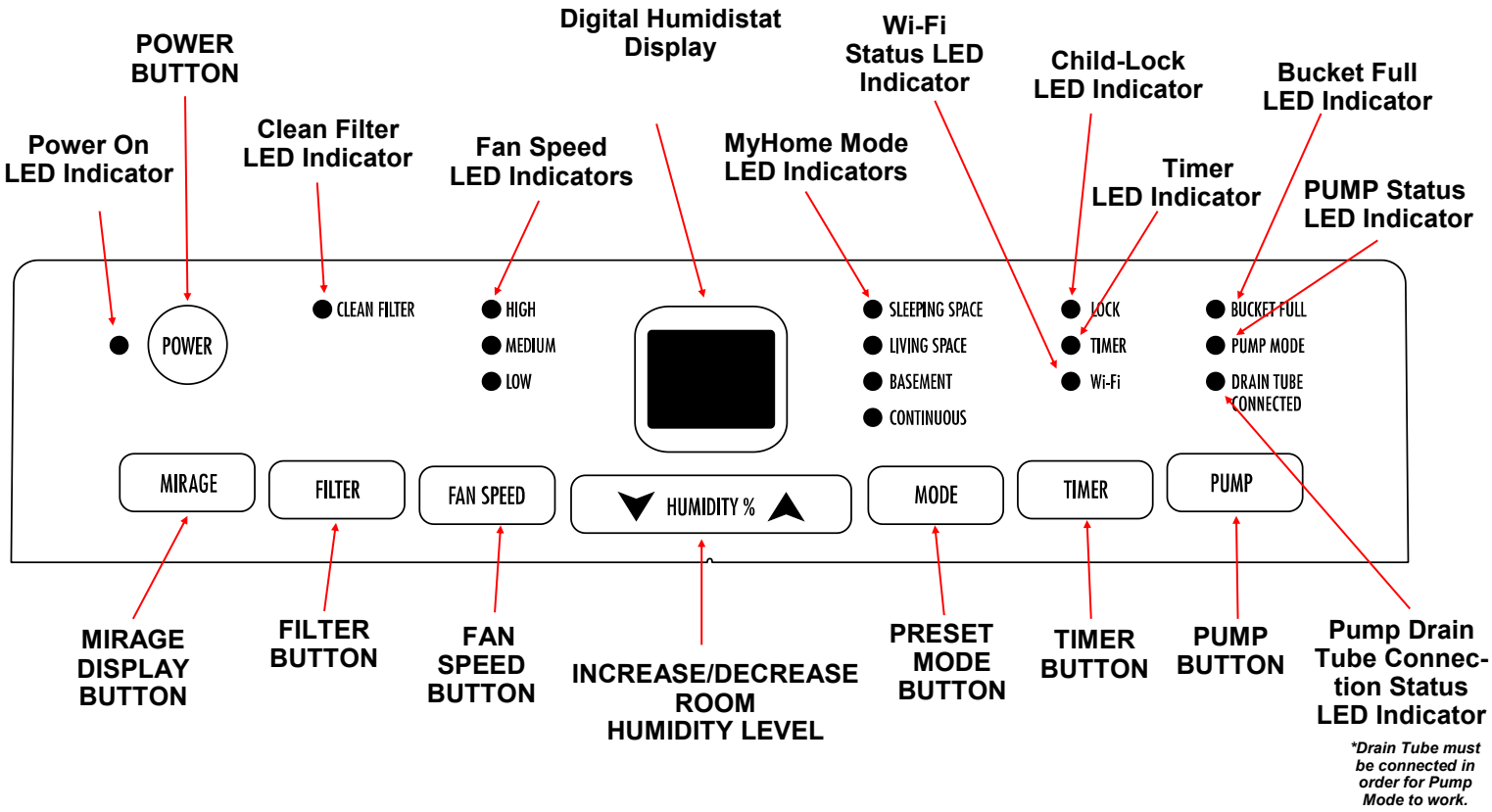
Note: If the device name is unable to be found from the network list or the device is un-registered from the APP, the Wi-Fi module needs to be reset.

To reset the Wi-Fi module, hold down both Mode and Timer buttons for over 5 seconds until the beeping sound is heard.

PRODUCT FEATURES

	Removes up to 70 pints of moisture from the air every 24 hours. This is not the bucket size.
	Digital and adjustable humidistat displays set humidity level and current ambient humidity level for precise humidity control.
	Mirage Display shows the ambient humidity level on the front of the dehumidifier to be seen from across the room.
	Operates at temperatures down to 41°F. Perfect for basement use in the winter.
	Automatic defrost function melts away ice from frozen coils for continuous, worry-free operation.
	3-Speed fan allows you to choose between maximum dehumidifying power or quiet operation.
	Bucket full indicator and audible alarm signals as soon as the bucket is full and ready to be emptied.
	Ultra quiet operation allows for use almost anywhere. Perfect for heavy traffic areas like a family room or bedroom.
	Loss of power protection remembers all settings even when power is interrupted.
	Auto-restart automatically continues operation when power is restored. No need to manually restart the dehumidifier.
	24-Hour Timer automatically turns on and off the unit after the preset time of 0.5 up to 24 hours.
	MyHome modes allow you to choose the location in which you are using your dehumidifier (Sleeping Space—55%, Living Space—50% or Basement—45%) for preset comfort and balanced operation.
	Internal Pump lets you run the unit in continuous mode and never empty the bucket. Use near a drain, sink or window for continuous operation.

CONTROL PANEL



**Drain Tube must be connected in order for Pump Mode to work.*

Dehumidifier must be upright for 24 hours prior to operating.
This ensures that the compressor will function as intended.

CONTROL PANEL OPERATING INSTRUCTIONS

1) **When first operating the dehumidifier, run it in Continuous mode for 24 hours.**

2) **Power On and Off** - Press the **POWER** button once to manually turn the unit on. Press the **POWER** button once more to turn the unit off.

3) **Humidity Selection** - Press the △ or ▽ buttons to choose the desired relative humidity in the room. Each press of the button will change the desired room humidity by 5%. The room humidity is selectable from 35%-80% or continuous. The unit will cycle on and off to maintain the humidity level chosen on the digital display. If you want the dehumidifier to operate continuously regardless of the room humidity, press the MODE button until you see "**CO**" on the digital display. This will enable **continuous operation** and the "**Continuous**" indicator will light up on the control panel.

4) **Fan Speed Control** - Press the **FAN SPEED** Button to cycle through the different fan speeds: **High, Medium, and Low**. The fan speed can be visually distinguished by the fan speed indicators on the control panel. For fast dehumidification, choose High. For moderate dehumidification, choose Medium. For quiet operation, choose Low.

5) **Timer Auto On**- To program the unit to automatically turn on, press the **TIMER** button when the unit is off. Press △ or ▽ to increase or decrease the timer in 30 min increments (.5 hours) up to 10 hours. After 10 hours, each press of the button will increase the timer in 1 hour increments up to 24 hours. Once the desired time is reached, the unit will automatically turn on.

Timer Auto Shut-Off- To program the unit to automatically turn off, press the **TIMER** button when the unit is on. Each press of the △ or ▽ buttons will change the timer setting in 30 min increments (.5 hours) up to 10 hours. After 10 hours, each press of the △ or ▽ buttons will increase or decrease the timer in 1 hour increments up to 24 hours. Once the desired time is over, the unit will automatically power off.

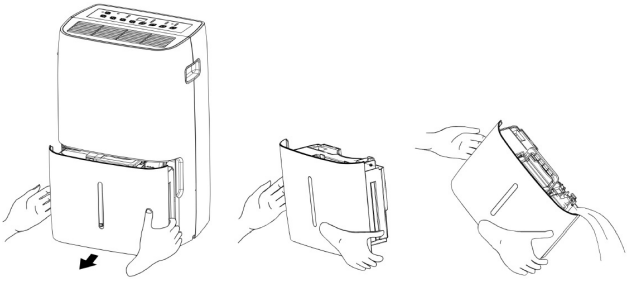
6) **MyHome Modes** - Preset humidity level settings allow the user to easily move the dehumidifier room-to-room and select the corresponding mode for the location in which the dehumidifier is operating for optimum performance. Press the **MODE** button to choose from Sleeping Space (55%), Living Space (50%) or Basement (45%).

7) **Child-Lock Mode**- To lock the control panel, press and hold the TIMER button for 3 seconds. Locking the control panel prevents someone from accidentally changing the settings. When locked, the **LOCK Indicator** will light up. Press and hold the TIMER button for 3 seconds to unlock the control panel.

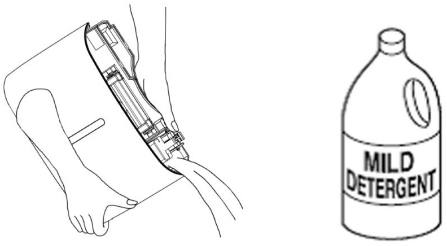
8) **Mirage Display** – Backlit display on the front of the dehumidifier that shows the actual humidity level in the room to be easily seen from across the room. Press the **MIRAGE** button to turn the Mirage Display on and once again to turn the Mirage Display off.

NOTE: Fan will continue to run even when the compressor is off. This is normal and allows the unit to circulate air and operate more efficiently

9) **Bucket Full -** When the water bucket is full of water, the unit will automatically shut off , make a beeping noise, and the Bucket Full Indicator will light up. The dehumidifier will not function until the water bucket is emptied and placed back inside the unit. The bucket should be cleaned every few weeks to prevent the growth of mold, mildew and bacteria. Use a mild detergent to clean the bucket. Once clean, completely dry the bucket and place it back inside the dehumidifier.



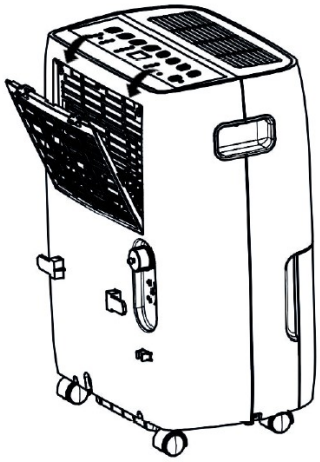
NOTE: Hold bucket with
both hands when emptying



NOTES: *When the bucket is full or removed from the machine, the compressor will turn off, but the fan will continue to run for a few minutes. This is completely normal. The dehumidifier will not be removing moisture from the air at this time. When removing moisture from the air, the dehumidifier will exhaust warm air from the side exhaust vent. Do not place a full bucket on the floor, because the bottom is uneven.*

10) **Clean Filter -** When the filter needs to be cleaned, the filter indicator will light up (after 250 hours of use). Remove the filter from the back of the unit by using your thumbs to press down on the filter tabs directly above the filter. Clean the filter with warm, soapy water. Dry thoroughly before replacing the filter. Once the filter is completely dry, place the filter back in the unit and press the FILTER button to reset the filter indicator.

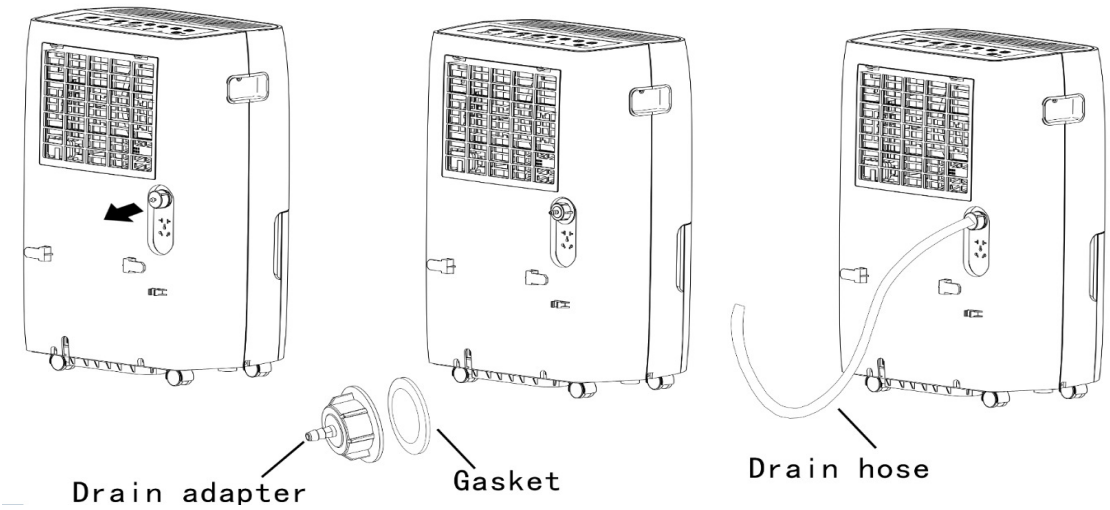
CAUTION: DO NOT OPERATE THE DEHUMIDIFIER WITHOUT THE INCLUDED FILTER

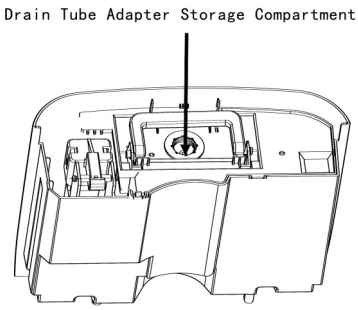


NOTE: Do not clean filter in dishwasher

11）Internal Pump Mode- The internal pump allows the unit to operate without having to empty the bucket. To install the Pump Drain Hose Kit, remove the drain cap on the back of the unit. Insert the included Gasket into the Drain Adapter, then force the Drain Hose onto the Drain Adapter and turn clockwise onto the garden hose nozzle on the back of the unit as pictured below. (Drain adapter is included in storage compartment on top of water bucket.) Once securely installed, lead the Drain Hose to a nearby drain, sink or out of a window up to 16’ in height from the base of the unit. Turn on the unit and press the PUMP button to activate the internal pump.

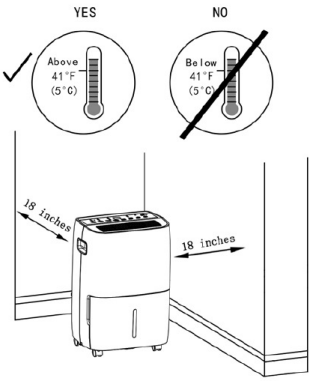
CAUTION: PUMP MODE WILL ONLY OPERATE WITH A SOLEUS DRAIN HOSE AND DRAIN ADAPTER; DO NOT USE A GARDEN HOSE IN PUMP MODE OR ANY OTHER TUBING.





CHOOSING A LOCATION

A Dehumidifier operating in a basement will have little or no effect in drying out an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.



- Do not use outdoors.
- This dehumidifier is intended for indoor use only. Place the dehumidifier on a smooth, level floor surface that is strong enough to support the unit with a full bucket of water.
- Allow at least 18'' of air flow on all sides.
- Place the dehumidifier in an area where the temperature will not fall below 41°F. The coils can become covered with frost at temperatures below 41°F, which may reduce performance.
- Use the dehumidifier in cooking, laundry, bathing and dishwashing areas that have excessive moisture. NOTE: Place the dehumidifier away from a clothes dryer.
- Use the dehumidifier to prevent moisture damage anywhere books or valuables are stored.
- Use the dehumidifier in a basement to help prevent moisture damage.
- The dehumidifier must be operated in an enclosed area to be most effective.
- Close all doors, windows and other outside openings to the room.

AUTOMATIC DEFROST

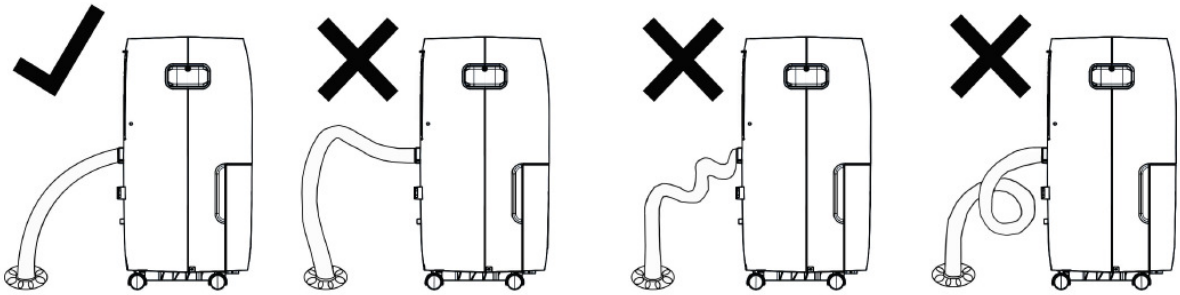
When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears. When the coils are completely defrosted, the compressor or fan (depending on the model) will automatically restart and dehumidification will resume.

Garden Hose Installation Setup

Water can be automatically emptied by attaching a hose to the continuous drainage port on the back of the de-humidifier. This will allow the unit to run continuously (depending on the selected humidity level) without having to empty the water bucket. To drain, simply attach a standard garden hose (not included). The thread standard for garden hoses in the US and its territories is known as GHT or "garden hose thread" which has an outer diameter of 1 1/16 inches (1.0625 inches or 27.0 mm) and a pitch of 11.5 TPI.

- Place dehumidifier on a level surface.
- Unscrew the cap on the back of the unit to access the garden hose nozzle
- Thread a garden hose (not supplied) onto the accessible nozzle, lead to a floor drain and cut to length. Make sure that there are no kinks or knots in the garden hose. (See Picture Below)
- Turn on the unit and press the MODE button until set to CONTINUOUS.

Garden Hose Installation Reference Guide



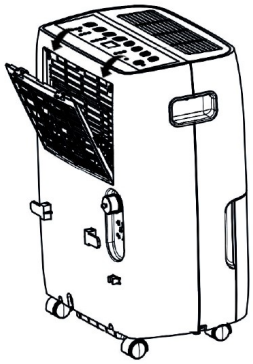
IMPORTANT NOTES:
Placing the dehumidifier on an uneven surface or improper hose installation may result in water filling up the bucket and cause the unit to shut off. Empty bucket if shut-off occurs, then check dehumidifier location and hose for proper setup. The bucket must be in place and securely seated for the dehumidifier to operate.

For more details, please scan below QR code for operation instruction video :

Note: Make sure power is off and the power cord is not plugged into an electrical outlet prior to performing any maintenance on the unit.

Clean or Replace Filter - The Clean Filter indicator will illuminate every 250 hours of operation as a reminder to clean the filter. (A clean filter will keep the unit operating at optimum performance.) Remove the filter from the back of the unit by using your thumbs to press down on the filter tabs directly above the filter. Clean the filter with warm, soapy water. Dry thoroughly before replacing the filter. Once the filter is completely dry, place the filter back in the unit and press the FILTER button to reset the filter indicator.

CAUTION: DO NOT OPERATE THE DEHUMIDIFIER WITHOUT THE INCLUDED FILTER



Clean the Unit Housing -

1) Keep the unit from being exposed directly to the sun to prevent color fading.
2) Clean the surface with a damp cloth and dry it with a soft towel.

End of Season Storage / Transporting the Unit

1) Turn off the dehumidifier.
2) Unplug the unit and secure the power cord to the back of the unit
3) Clean or replace filter - Refer to Operating Instructions Clean Filter section
4) Empty any water remaining in the bucket and rinse bucket with a mild detergent
5) Insert the empty water bucket back into the dehumidifier
6) Your dehumidifier is now ready for storage or transportation
7) The unit should be stored in a cool dry place

Problem	Possible Causes	Solutions
Dehumidifier does not start	The dehumidifier is unplugged.	Make sure the dehumidifier's plug is pushed completely into the outlet.
	The fuse is blown / circuit breaker is tripped.	Check the house fuse / circuit breaker box and replace fuse or reset breaker.
	Dehumidifier has reached its present level or the bucket is full.	The dehumidifier automatically turns off when either condition occurs. Change to a lower setting or empty the water bucket and replace properly.
	Bucket is not in the proper position.	The bucket must be in place and securely seated for the dehumidifier to operate.
	Power Failure.	There is a protective time delay (up to 3 min.) to prevent tripping of the compressor overload. For this reason, the unit may not start normal dehumidification for 3 min. after it is powered back on.
Dehumidifier does not dry the air as it should	Not enough time allowed for unit to remove moisture.	When first installed, allow at least 24 hours to maintain the desired dryness.
	Airflow is restricted.	Make sure there are no curtains, blinds, or furniture blocking the front or back of the dehumidifier. See the **CHOOSING A LOCATION** section on **Page 11**.
	Dirty filter.	See the **CLEAN FILTER** section on **Page 9**.
	The Humidity Control may not be set low enough.	For drier air, press the ▽ button to lower the percent humidity desired in the room, or set the dehumidifier to **CO** for maximum dehumidification.
	Doors and windows may not be closed tightly.	Check that all doors, windows, and other openings are securely closed.
	Clothes dryer may be blowing moist air into the room.	Install the dehumidifier away from the dryer. The dryer should be vented outside.
	Room temperature is too low.	Moisture removal is best at higher room temperatures. Lower room temperatures will reduce the moisture removal rate. This model is designed to operate at temperatures above 41°F.
Dehumidifier runs too much	The area to be dehumidified is too large.	The capacity of your dehumidifier may not be adequate for the room size.
	Doors and windows are open.	Close all doors and windows to the outside.
Frost appears on the coils	The dehumidifier has recently been turned on or the room temperature is below 41°F.	This is normal. Frost will usually disappear within 60 minutes.
Controls cannot be set	The compressor will turn off and the fan will automatically continue to run for approximately 3 minutes at a fixed setting.	This is normal. Wait approximately 3 minutes and set the fan speed at the desired level.
Fan Noise	Air is moving through the unit.	This is normal.

Problem	Possible Causes	Solutions
Water on the floor	Hose connection may be loose.	Check the hose connection. See the **CONTINUOUS MODE-GARDEN HOSE INSTALLATION AND SET UP** Section on **Page 12.**
	Hose is attached but not draining into a drain	Disconnect the hose if using the bucket or place the hose near a drain.
Unit will not turn on	The fuse is blown / circuit breaker is tripped.	Check the house fuse / circuit breaker box and replace fuse or reset breaker.
Unit is on but fan is not running	Dehumidifier has reached its present level or the bucket is full.	The dehumidifier automatically turns off when either condition occurs. Change to a lower setting or empty the water bucket and replace properly.
	Bucket is not in the proper position.	The bucket must be in place and securely seated for the dehumidifier to operate.
	Power Failure.	There is a protective time delay (up to 3 min.) to prevent tripping of the compressor overload. For this reason, the unit may not start normal dehumidification for 3 min. after it is powered back on.
Pump Mode is on, but water is draining in bucket	Incorrect drain hose is installed	Make sure that the included plastic drain tube and nozzle adapter are tightly installed.
Continuous Mode is on, but water is draining in bucket	Incorrect drain hose is installed	Garden hose must be used while operating Continuous Mode.
	Dehumidifier on uneven surface	Make sure that the unit is placed on a flat, level surface.

SELF-DIAGNOSING CODES

Self-Diagnosing Code	Description	Resolution
E1	Compressor Overheat Protection	Please call Soleus Customer Service at 877-665-9765
E2	Condenser Overheat Protection	Please call Soleus Customer Service at 877-665-9765
EH	Humidity Sensor Malfunction	Please call Soleus Customer Service at 877-665-9765
E5	Internal Pump Malfunction	**NOTE: The internal pump is designed to be used with the included plastic drain tube with drain adapter and will not operate with a garden hose or any other tubing. (Figure 2) If you do not have a plastic drain tube and drain adapter, please call Customer service for a replacement.** First, be sure that the plastic drain tube and drain adapter are tightly and securely installed. Once installed, turn the unit off and unplug it to reset the E5 code. Wait 30 seconds and then plug in the unit and turn it on. The error code should be reset. If the error code reappears after this process, please call Soleus Customer Service at 877-665-9765

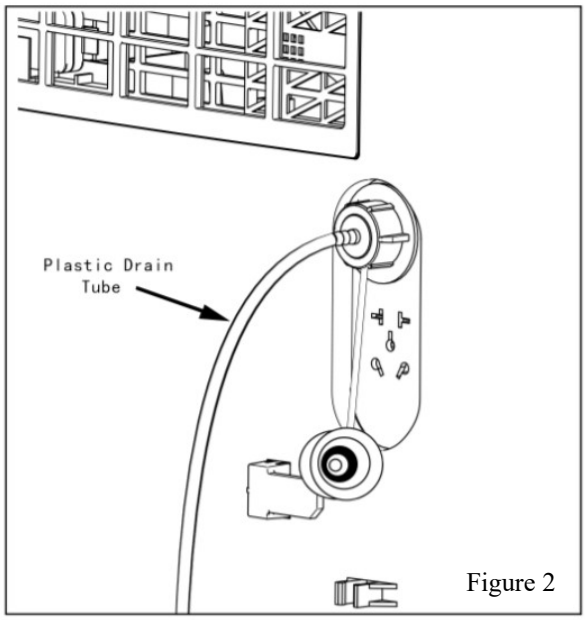


Figure 2

For any questions or Technical Support, please call customer service 877-665-9765

LIMITED WARRANTY

Three Year Components Limited Warranty
Five Year Compressor Limited Warranty

Soleus N.A. warrants the accompanying Soleus Air Dehumidifier to be free of defects in material and workmanship for the applications specified in its operation instruction for a period of THREE (3) years for components and FIVE (5) years for the compressor from the date of original retail purchase in the United States.

If the unit exhibits a defect in normal use, Soleus N.A. will, at its option, either repair or replace it, free of charge within a reasonable time after the unit is returned during the warranty period.

As a condition to any warranty service obligation, the consumer must present this Warranty Certificate along with a copy of the original purchase invoice.

THIS WARRANTY DOES NOT COVER:

- Damage, accidental or otherwise, to the unit while in the possession of a consumer not caused by a defect in material or workmanship.
- Damage caused by consumer misuse, tampering, or failure to follow the care and special handling provisions in the instructions.
- Damage to the finish of the case, or other appearance parts caused by wear.
- Damage caused by repairs or alterations of the unit by anyone other than those authorized by Soleus N.A.
- Freight and Insurance cost for the warranty service.
- Filter and Accessories

ALL WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANT ABILITY ARE LIMITED TO ONE-YEAR DURATION OF THIS EXPRESS LIMITED WARRANTY**. SOLEUS N.A.** DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES AND IN NO EVENT SHALL SOLEUS N.A.'S LIABILITY EXCEED THE RETAIL VALUE OF THE UNIT FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY WITH RESPECT TO THIS UNIT.

This warranty covers only new products purchased from our authorized dealers or retailers. It does not cover used, salvaged, or refurbished products.

As some states do not allow the limitation or exclusion of incidental or consequential damages, or do not allow limitation on implied warranties, the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For Technical Support and Warranty Service
Please Call (877) 665-9765

www.soleusna.com

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.